



APGA & SIF Update

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About APGA

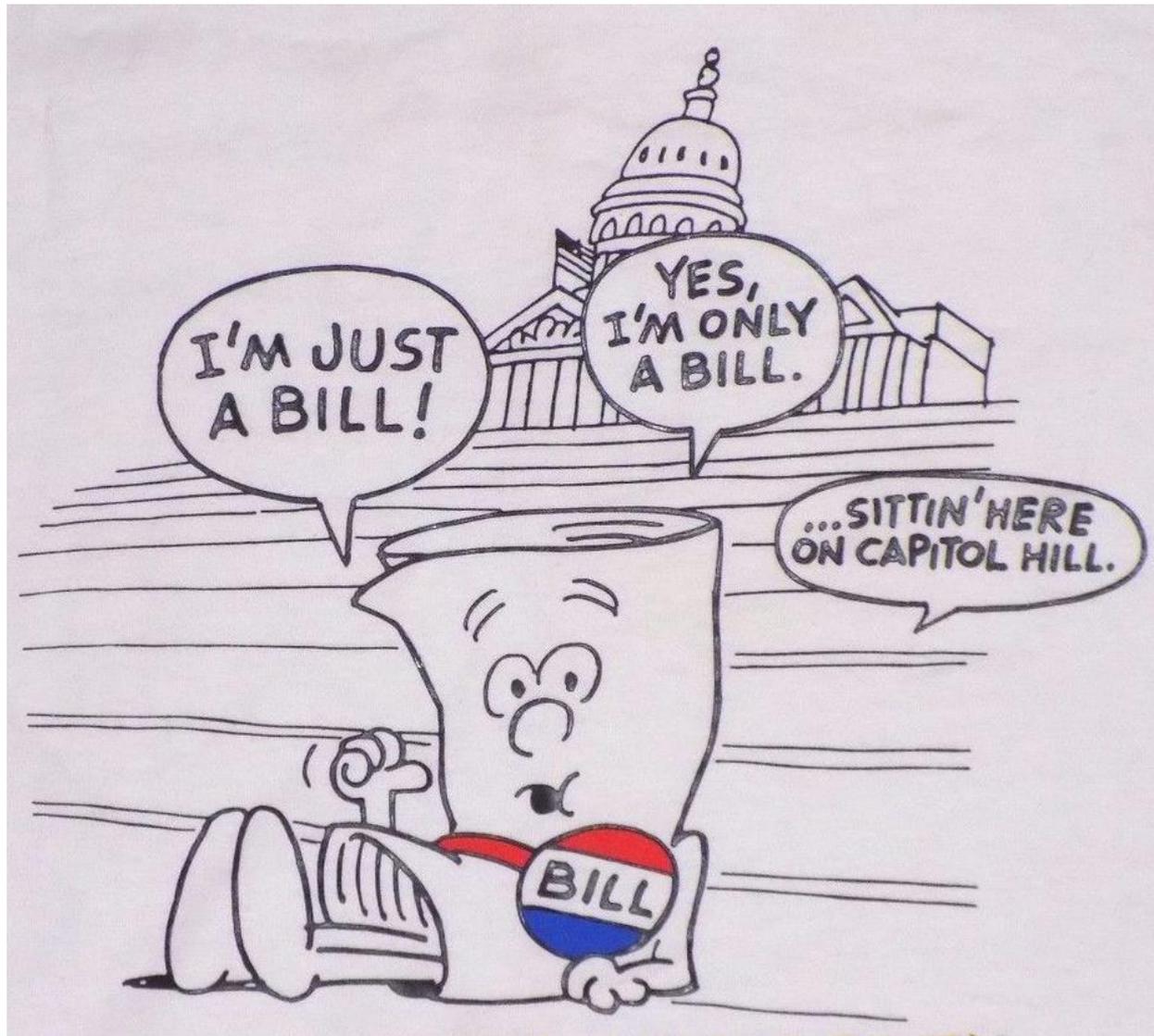
Over 700 member utilities in 37 States

APGA is the only not-for-profit trade organization representing America's publicly owned natural gas local distribution companies.

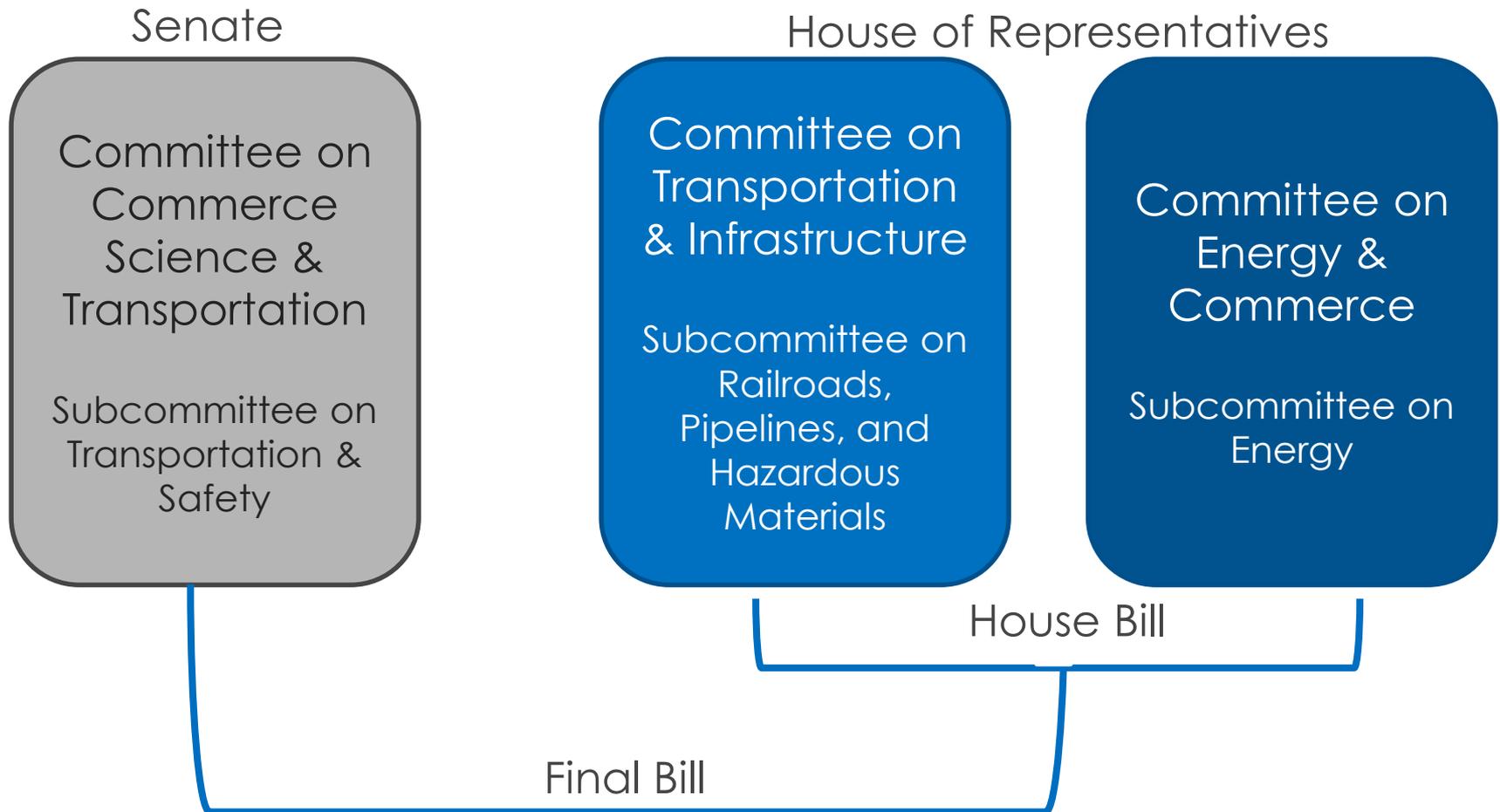


Discussion Topics

- Pipeline Safety Update
 - Pipeline Safety Reauthorization
 - Gas Transmission Rule
 - Public Awareness
- APGA Programs
 - Mutual Aid Program
 - System Operational Achievement Recognition (SOAR)
 - Pipeline Safety Management Systems
- SIF
 - SHRIMP 3.0
 - Go Videos!
 - Drug & Alcohol Program



Pipeline Safety Reauthorization



Pipeline Safety Reauthorization

	ASVs/RCVs	OPP	DIMP	Dist. Records	PSMS	NPMS	OQ	ER	WD	Reg. Updates	Civil Penalties	Cost/Benefit	Criminal Penalties
House E&C	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
House T&I						✓	✓		✓	✓	✓	✓	✓
Senate		✓	✓	✓	✓		✓	✓	✓	✓			

* As of November 21, 2019

IN DRAFT BILLS

Pipeline Safety Reauthorization

Over-Pressure Protection

Senate

- No “common mode of failure” for over pressurization
 - The reg station has a secondary or back up pressure relieving device (shut off or relieve)
 - If not possible: Secretary to “require the operator to identify actions that minimize the risk of over-pressurization”

House

- Upgrade each district regulator station:
 - With monitoring technology to enable the system to be “constantly monitored”
 - Includes pressure-relieving technology

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Pipeline Safety Reauthorization

Distribution Integrity Management Programs

- Ensure that DIMP plans:
 - Include risks from cast iron
 - Include risks that could “lead to or result from the operation of low-pressure distribution system”
 - Avoid using a risk ranking of zero for low probability events unless otherwise supported by engineering analysis or operational knowledge

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Pipeline Safety Reauthorization

Distribution Records

Asset Records – O&M Plan – DIMP Plan – Emergency Response Plan

- Require by regulation that operators submit this information to the state
- Ensure the records are “accessible to all personnel responsible for performing or overseeing relevant construction and engineering work”

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Pipeline Safety Reauthorization

National Pipeline Mapping System

House Only: *Self-Actuating Mandate*

- Within 1 year, submit:
 - Geospatial and “technical” information on gas distribution & regulated gathering lines
- Within 2 years, submit:
 - Geospatial and “technical” information on:
 1. Sensing lines
 2. Regulator stations
 3. Automatic or remote-controlled shut-off
 4. Any other information on distribution pipelines the Secretary of Transportation determines appropriate.

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Pipeline Safety Reauthorization

Management of Change

- Require a Management of Change Process within O&M
 - Technology, equipment, procedural and organizational changes

Senate: Qualified personnel (engineer or similar) review and certify construction plans for accuracy, completeness and correctness

House: Before a natural gas distribution project can commence, the construction plans must be approved by a professional engineer in the state the construction is to be carried out.

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Pipeline Safety Reauthorization

Pipeline Safety Management Systems

Not Mandating Adoption of PSMS

- Status Report
 - # of operators of natural gas distribution systems who have implement PSMS in accordance with API RP 1173
 - The progress made by those who have implemented
 - Feasibility of implementing based upon the size & # of customers
- Secretary to provide guidance or recommendations that would “further the adoption of PSMS in accordance with API RP 1173”

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Pipeline Safety Reauthorization

Operator Qualification

- Ensure a “qualified person” monitors gas pressure at a regulator station capability to promptly shut down the flow of gas or control over pressurization during construction projects
 - Including tie-ins and abandonment of distribution lines and mains
 - Exclusion: a regulator station that has a monitoring system and the capability for remote or automatic shut-off

IN DRAFT BILLS

Pipeline Safety Reauthorization

Emergency Response

- Specifically mandates some elements of existing Emergency Response Plans
- Mandates Public Awareness Effectiveness for Emergency Responders
- Perform a Study
 - Do state and local programs have “sufficient access to pipeline emergency response information”?
 - If not, issue regulations “specifying relevant emergency response information and require operators to make the information available to applicable entities.”

Safety of Gas Transmission Pipelines

MAOP Reconfirmation, Expansion of Assessments, & Other Related Amendments

- **MAOP Verification:**

- Applicable Pipelines:
 - Without record of a pressure test* located in:
 - HCAs
 - Class 3
 - Class 4
 - MAOP established via the grandfather clause, **operating greater than 30% SMYS**, and located in:
 - HCAs
 - Class 3
 - Class 4
 - Piggable MCAs
- Operators are given 8 years to complete 50% of the mileage and 15 years to complete 100%.

** Industry to submit comments to verify code language. This was the GPAC's recommendation & Congress's intent.*

Safety of Gas Transmission Pipelines

MAOP Reconfirmation, Expansion of Assessments, & Other Related Amendments

- **Material Verification:**
 - **Only when necessary per the new requirements.**
 - **Can be performed “opportunistically”** as the pipeline (with unknown material attributes) is excavated during the normal course of business.

Safety of Gas Transmission Pipelines

MAOP Reconfirmation, Expansion of Assessments, & Other Related Amendments

- **Integrity Assessments Outside of HCAs**
 - Expands the requirement to perform integrity assessments to pipelines operating **greater than or equal to 30% SMYS** in:
 - Class 3,
 - Class 4
 - Piggable MCAs.
 - Operators must first assess these pipelines within 14 years, and then subsequently every 10 years.

Public Awareness

API RP 1162 Revision

Collaboration & Consistency

Data Gathering

- Affected Public Stakeholder Group
- Website: www.pipelineaware.com

Revision Timeline

- Publication Goal – Early 2020
- Will PHMSA Incorporate by Reference?
... several year process



APGA Mutual Aid Program

Launched in August 2019

Voluntary

- To sign-up
- To respond



More Participants = Better Program

Connects APGA members on the national level in the event of a disaster or emergency situation that requires resources beyond state or regional aid programs.

APGA Mutual Aid Program

94+

**Member Systems have
signed agreements (so far).**

Alabama Participants:

The Utilities Board of the Town of Stevenson
North Baldwin Utilities
DeKalb-Cherokee Counties Gas District
Wilcox County Gas District
Northwest Alabama Gas District
Pickens County Natural Gas District

Town of Cherokee
Childersburg Water, Sewer & Gas Board
Maplesville Utilities Board
Decatur Utilities
Water Works and Gas Board of the City of Red Bay
Scottsboro Water, Sewer & Gas Board

APGA Mutual Aid Program

How to Learn More & Sign Up

More information can be found on the APGA website at:
www.apga.org/mutual-aid

APGA Contact:

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System Operational Achievement Recognition

- Benchmarking
- Best Practice Sharing
 - Virtual Roundtables
- Excellence Recognition
 - Inclusion of PSMS in 2020



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Member Systems have participated in SOAR since 2014.



Current Alabama Winners



Pipeline Safety Management Systems

How did we get here?

July 2010
Marshall, MI



2015
API RP 1173



September 2010
San Bruno, CA



September 2018
Merrimack Valley, MA

Pipeline Safety Management Systems

Getting Started

PSMS Principle

The Operator evaluates safety culture, including methods to assess employee perception of the safety culture. Management reviews these evaluations and takes actions to improve.

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- A. We have never discussed the safety culture at our system.
- B. We have defined our safety culture, but we have never surveyed our gas employees on their perception of that culture.
- C. We have defined our safety culture and we have surveyed our gas employees on their perception of that culture. However, the results of that survey did not change any of our policies or programs.
- D. We have defined our safety culture and we have surveyed our gas employees on their perception of that culture. Management used those results to modify our safety programs and policies to enhance our safety culture.

<https://www.apga.org/issues/operationssafety/apga-psms>

Security & Integrity Foundation

The APGA SIF, a non-profit 501(c)(3) corporation, is dedicated to promoting the security, operational integrity and safety of natural gas distribution and utilization facilities. The SIF focuses its resources on enhancing the ability of gas utility operators to prevent, mitigate and repair damage to the nation's small gas distribution infrastructure.



- ▣ Independent of APGA
- ▣ Assist small operators to operate safe gas distribution systems
- ▣ “Small operators” include —
 - Natural gas utilities
 - Master meter, and
 - Propane piping systems
- ▣ For 10 years funded through a cooperative agreement with PHMSA
 - Now self-sufficient

SHRIMP 3

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Summary of Changes

- ▣ Natural Forces Threat Assessments
- ▣ PermaLock Tapping Tees
- ▣ “Elimination of Threats”
- ▣ Consequence Questions

SHRIMP 3: Excavation Threat Assessments

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- ▣ Fixed Blasting Risk Ranking
- ▣ Allows segmenting by geography or excavators
- ▣ Risk ranking compares segment statistics with overall statistics

Note: Users will need to repeat the Excavation Threat Assessments from their beginning.

SHRIMP 3:

PermaLock Tapping Tees

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- New subthreat has been added to the Materials Welds & Joints Subthreat to address potential risks from PermaLock tapping tees.
- Links have been provided to
 - NTSB accident reports and related materials
 - Honeywell's revised installation procedures.
- Materials, Welds and Joints Threats have been marked incomplete as a reminder to address the new subthreat

SHRIMP 3: Elimination of Threats

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- ▣ All sections are now listed in the risk ranking section.
- ▣ Those sections that were considered to "not be a threat" in prior versions of SHRIMP will now appear in the risk ranking with low probability scores

SHRIMP 3:

Consequence Questions

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- ▣ Consequence questions will now be asked for all sections.
- ▣ A new consequence question asking about at-risk facilities (schools, hospitals, nursing homes, etc.) has been added
- ▣ Segments with these facilities will get a higher consequence score
 - Users are encouraged to subsection those areas with these facilities
 - Any affected interviews have been marked incomplete as a reminder to answer the new consequence question.

Gas Orientation Videos

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- Short educational videos aimed at educating elected officials who oversee a gas utility
- <http://apgasif.org/gas-operations-safety-orientation-videos/>
- Available now:
 - ▣ Natural Gas Basics
 - ▣ Distribution Accident Root Causes
 - ▣ How Pipeline Safety Regulations are Developed
- More are under development

APGA Operations Conference

Save the Date!

- October 27-29, 2020 in Louisville, KY
- Two tracks:
 - Operations and Engineering
 - Compliance and Safety



THANK YOU

 WWW.APGA.ORG

 [FACEBOOK.COM/
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